

Table I-5-1. Summary of Model Sensitivity Results

Model	Sensitivity Variable	Variable Input Value	Average Precipitation (meters)	Average Annual Net Deep Flux¹ (meters)
Base Case Simulations				
LEP ²	Lower Boundary Type	Head	0.1360	-0.0012
UEP ²	Lower Boundary Type	Head	0.1372	0.2633
Sensitivity Simulations				
LEP	Osmotic Suction	30,000 KPa	0.1359	0.0200
LEP ³	Osmotic Suction	120,000 KPa	0.1024	-0.0044
UEP	Osmotic Suction	30,000 KPa	0.1382	0.4343
UEP	Osmotic Suction	120,000 KPa	0.1396	0.0634
LEP ⁴	Pan Factor	PF = 0.35	0.1372	0.0008
LEP ⁴	Pan Factor	PF= 0.55	0.1371	0.0036
UEP	Pan Factor	PF = 0.35	0.1393	0.0799
UEP	Pan Factor	PF= 0.55	0.1373	0.1983
LEP	Storm Intensity	4-Hour Duration	0.1358	-0.0015
LEP	Storm Intensity	12-Hour Duration	0.1361	-0.0019
UEP	Storm Intensity	4-Hour Duration	0.1372	0.2633
UEP	Storm Intensity	12-Hour Duration	0.1382	0.2633
LEP	Lower Boundary Type	Gradient	0.1360	-0.0179
UEP	Lower Boundary Type	Gradient	0.1395	0.0083

Notes: ¹Negative values of deep flux indicate a downward net flux, positive values of deep flux indicate an upward net flux.

²Base-case simulation, presented here for comparison to sensitivity simulations

³Model was set to allow runoff for this simulation to improve numerical stability. Simulation was run for only 10 years because numerical stability problems.

⁴Model was set to allow runoff for this simulation to improve numerical stability.